

# Brandon Gallagher

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## Professional Experience

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| <b>Software Developer Intern, Royal Bank of Canada</b>   | 09/2019 – 12/2019<br>Toronto, Canada |
| <ul style="list-style-type: none"><li>• Eliminated 100% of monthly Jira tickets regarding QA tools onboarding using Flask Microservices and local APIs.</li><li>• Automated over 1200 monthly reactivation tickets using NodeJS microservices that were hosted on container SaaS platforms.</li><li>• Pipelined software from development environments into production using Jenkins and OpenShift Container Platform</li><li>• Agile methodologies were utilized to communicate progress and solutions across development teams at RBC.</li></ul> |                                      |
| <b>Full Stack Developer, OMCI</b>  | 04/2019 – 09/2019<br>Barrie, Canada  |
| <ul style="list-style-type: none"><li>• Created an interactive front-end using React.JS and Bootstrap</li><li>• Developed RESTful API's for entry into our database using Express.JS as our back-end</li><li>• Reduced manual entry for event scheduling into the PostgreSQL Database by 100%</li></ul>  |                                      |
| <b>Emerging Technologies Developer, Ontario Tech University</b>  | 09/2018 – 04/2019<br>Oshawa, Canada  |
| <ul style="list-style-type: none"><li>• Used AFrame.JS, a framework to create VR games for students to learn as learning modules for their course work</li><li>• Emerging Technology such as LeapMotion, Myo, and Muse were devices developed for so that future game-developing students could use it as a base for their work.</li></ul>   |                                      |

## Skills

### Programming Languages

Python, JavaScript, SQL, Java, C#

### Tools

Docker, GitHub, JIRA, ElasticSearch, Jenkins, Kibana

### Databases

PostgreSQL, MySQL, MS SQL

### Frameworks

NodeJS, React, FastAPI, Flask, Docker Compose

## Projects

### CrypTorrents, NodeJS, React, FastAPI (GitHub)

- Using a public torrents API, this website allows users to search for free content then returns the most popular torrents with both a magnet link as well as a relevant picture to the content (movie poster, game poster, etc).

### McEmployees, Java, PostgreSQL, XML (GitHub)

- Integrates a PostgreSQL Database to store employee information as well as a JavaFX front-end

### Site Reliability Engineering Uptime, Java, ElasticSearch, Kibana

- Deployed HeartBeat, MetricBeat and Filebeat from the ELK Stack to monitor 10+ Infrastructure DevOps tools so that SRE practices could be implemented to keep tools at 100% uptime across the company.

### 1337x Bot, NodeJS, Discord.JS, AWS EC2 (GitHub)

- Created a NodeJS discord bot that lets users search a torrent using a command.
- Interacts with a 1337x Web Scraper and a Magnet Shortener REST API to provide relevant info.

## Education

**Georgian College, Computer Science (3.9 / 4 GPA)**

01/2020 – present  
Barrie, Canada